

**THE RELATIONSHIP BETWEEN DIETARY INTAKE HISTORY AND
WOUND HEALING IN DIABETES MELLITUS PATIENTS AT RSI AISYIYAH
MALANG AND RSUD KARSA
HUSADA BATU**

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ABSTRACT

Diabetic wounds are one of the chronic complications frequently experienced by patients and can significantly delay the healing process. Dietary history is an important factor influencing this condition, as an unbalanced diet may lead to chronic hyperglycemia, essential nutrient deficiencies, and impaired tissue regeneration. This study aimed to determine the relationship between dietary history and wound healing in patients with diabetes mellitus at RSI Aisyiyah Malang and RSUD Karsa Husada Batu. The research employed an analytical observational design with a cross-sectional method. Sampling was conducted using purposive sampling, resulting in a total of 35 respondents. The instruments used were a 3x24-hour food recall to assess dietary history and the Bates-Jensen Wound Assessment Tool (BWAT) to evaluate wound condition. Data were analyzed using Spearman's Rank Correlation test, which yielded a correlation coefficient of -0.803 with $p < 0.05$. The researchers suggest that nurses should monitor patients' nutrition and provide education, hospitals should strengthen holistic services by involving nutritionists, and future studies should expand variables, include wound definitions from the first day to completion, and conduct observations to develop more effective strategies for diabetic wound care.

Keywords: *Diabetes mellitus, diabetic wound, dietary intake history, wound healing*